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does not succeed, as it is very likely it will not, it will serve at least to expose the Vanity and Uselessness of all those Receipts and Processes of Vegetation, that are to be found printed in *Mizaldus*, *Porta*, and other more modern foreign Compilers.

V. *A Catalogue of the FIFTY PLANTS from Chelsea Garden, presented to the ROYAL SOCIETY by the Company of Apothecaries, for the Year 1739. pursuant to the Direction of Sir Hans Sloane, Bart. Med. Reg. & Soc. Reg. Præf. By Isaac Rand, Apothecary, F. R. S. Hort. Chel. Præf. ac Prælec. Botan.*

851. **A** Carna major; caule folioso. C. B. 379.
 852. **A** Astragalus, perennis hirsutus, Alopecuroides; Galegæ foliis; floribus luteis.
 853. Bauhinia non aculeata; folio subrotundo, bicorni; floribus albis. D. Houston.
 854. Bidens Americana; flore albo radiato; foliis inferioribus trilobatis; superioribus subrotundis, acute crenatis.
 855. Bidens latifolia, hirsutior; femine angustiore, radiato. H. Elt. P. 51.
 856. Bidens scabra; flore niveo; folio Panduræformi. Ibid. P. 54.
 857. Bignonia Americana; Fraxini folio; flore amplo phoeniceo. T. 164.

858. *Bignonia Americana*; Fraxini folio, minor; flore coccineo.
859. *Calendula*, minor, arvensis. H. L. Bat.
860. *Camara*, Americana; *Urticæ* foliis, latioribus, spinosa; floribus miniatis.
861. *Camara*, Americana; *Urticæ* folio; floribus miniatis.
862. *Camara*, Americana; *Urticæ* foliis minoribus; flore vario.
863. *Camara Americana*; foliis parvis subrotundis; floribus, foliolis interceptis.
864. *Camara Americana*; *salviæ* foliis, mucronatis; floribus luteis.
865. *Caprifolium Germanicum*. Dod. 411.
866. *Chenopodio-morus media*; foliis argute dentatis.
867. *Chenopodium*; *Botryos* folio, subtus candicante.
- Atriplex sylvestris*. II. Tab. Icon. 407.
868. *Chenopodium*; folio laciniato majus.
- Pes Anserinus*. Fuschii.
869. *Chenopodium*; folio sinuato, candicante. T. 506.
- Atriplex sylvestris*. Tab. Icon. 406.
870. *Chondrilla*; *Sonchi* folio; flore luteo-pallente. T. 475.
871. *Cirsium*, arvense repens; folio vix sinuato, in aculeum abeunte.
872. *Cruciata nova*, Romana, minima, muralis. Col. Ecph. 295.
873. *Cynoglossum*, Virginianum; flore minimo, albo. Banisteri. Pluk. Alm. 126.
874. *Eryngium maritimum*. C. B. 386.

875. *Eryngium vulgare*. Ibid.
Eryngium campestre. Dod. 730.
876. *Jacobæa*; foliis ferulaceis.
877. *Lappa*; five *Bardana major*; flore albo. H.
 Ox. III. 147.
878. *Lappa major*, ex omni parte minor; capitulis
 parvis eleganter reticulatis. Pluck. Alm.
879. *Lilac*; *Ligustri folio*. T. 62.
880. *Lyfimachia annua*, minima; *Polygoni folio*.
 T. 142.
881. *Mentha*, angustifolia, spicata. C. B. 227.
882. *Mentha*, angustifolia altera, rugosior; spica hirsuta.
883. *Mentha*, verticillata; longiori acuminato folio;
 odore aromatico.
884. *Oldenlandia*, humilis, *Hyssopifolia*. Plum.
 N. G. 42.
885. *Oxys*, lutea, Americana, procumbens.
886. *Pervinca vulgaris*, angustifolia. T. 120.
887. *Petasites major*, & vulgaris. C. B. 197.
888. *Petasites major*; floribus albis; spica bipedali.
 D. Bobart.
Petasites major; floribus pediculis longis
 insidentibus. R. Syn. III. 179.
889. *Petasites minor*; folio *Tussilaginis*. Mor. H.
 Reg. Bles.
890. *Phlomis*; acuminato, viridi, splendente folio;
 flore purpurascente; caulibus villosis.
891. *Phlomis*, Hispanica, fruticosa, candidissima;
 flore ferrugineo. T. 178.
892. *Phlomis Narbonensis*; *Hormini folio*; flore
 purpurascente. Ibid.

893. *Phytolacca*; fructu monopyreno, majore; folio longiore, glabro.
894. *Pilosella*, major, umbellifera, macrocaulos. *Floribus est flosculosis.* Col. Ecph. 248.
895. *Rosa*; *Pimpinellæ* folio, *Scotica*; flore eleganter variegato.
Rosa Ciphiana. Sibald. Scot. Illust.
896. *Rosa sylvestris*, *Virginienfis*.
897. *Senecio Americanus*; folio hastato, nitide serrato.
898. *Sium umbellatum*, repens. Ger. Emac. 256.
899. *Solanum*, fruticosum, *Africanum*; *Lauri* foliis.
900. *Vulneraria erecta annua*; folio subrotundo leviter crenato.
Loto affinis, Coryli folio. Dod. Mem.
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VI. *A Physico-mathematical Demonstration of the Impossibility and Insufficiency of Vortices: By M. de Sigorgne. Translated from the French by T. S. M. D. F. R. S.*

THAT natural Philosophers of an inferior Class, who consider only the Outside of Things, are obdurate in the Defence of *Vortices*, is, in my Opinion, not to be wondered at: The Idea of them strikes the Mind very agreeably at first, and even seems to promise the true Mechanism. But that Persons versed in the most profound Geometry, and in the most sublime Calculations, able Academicians, who incessantly apply themselves to the Study of Na-